Response to Office Action Dated 06 July 2006

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In the Claims

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1. (Currently Amended) A method of printing according to a selectable dark dot gain print mode method for use in a color ink-jet printer, the dark dot gain print mode, method comprising:

selecting between a dark dot gain print mode and an object definition print mode, wherein the print modes produce different output, such that the dark dot gain print mode enhances photographic image quality and the object definition print mode enhances object edge definition;

wherein printing in the dark dot gain print mode comprises:

____selectively applying at least one dark color ink to a dry portion of a print media; and

____only subsequently, selectively applying at least one light color ink to said portion of said print media that is still wet following said application of said at least one dark color ink, ink; and

wherein printing in the object definition print mode comprises:

applying at least one light color ink to a dry portion of the print media; and

applying at least one dark color ink to said portion of said print media that is still wet from the application of said at least one light color ink.

2. (Currently Amended) The dark-dot gain print mode-method as recited in claim 1, wherein said at least one dark color ink has more colorant than said at least one light color ink.

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Response to Office Action Dated 06 July 2006

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recited in claim 1, wherein: said at least one dark color ink is selected from a group of color inks comprising Black (K) ink, dark Magenta (M) ink, and dark Cyan (C) ink; and

(Currently Amended) The dark dot gain print mode method as

said at least one light color ink is selected from a group of color inks comprising Yellow (Y) ink, light magenta (m) ink, and light cyan (c) ink.

(Currently Amended) An object definition print mode method for use in a color ink jet printer, the object definition print mode method comprising:

selectively applying at least one light color ink to a dry portion of a print media; and

only subsequently, selectively applying at least one dark color-ink to said portion of said print-media that is still-wet-following said application of said at least one light-color ink.

The method as recited in claim 1, wherein:

selecting between said at least two print modes is based on content to be printed on said print media.

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S/N 10/042,823

(Currently Amended) The object definition print mode method as 5. recited in claim-4, wherein-said at least one-dark color-ink has a more colorant than said at least one light color ink.

The method as recited in claim 1, wherein:

selecting between said the print modes is based in part on a parameter associated with the inks.

(Currently Amended) The object definition print mode method as 6. recited in claim 4, wherein:

said at least one dark color ink is selected from a group of color inks comprising Black (K) ink, dark Magenta (M) ink, and dark Cyan (C) ink; and

said at least one light-color-ink-is selected from a group of color inks comprising Yollow (Y) ink, light magenta (m) ink, and light cyan (c) ink.

The method as recited in claim 1, wherein:

selecting between the print modes is based in part on a parameter associated with the print media.

Response to Office Action Dated 06 July 2006

7. (Currently Amended) An adaptable print mode method for use in a color ink jet printer, the adaptable print mode method comprising:

selecting between at least two print modes comprising a dark dot gain print mode and an object definition print mode, wherein the print modes produce different output, such that the dark dot gain print mode enhances photographic image quality and the object definition print mode enhances object edge definition, and wherein:

said dark dot gain print mode is configured to cause at least one dark color ink to be selectively applied to a dry portion of a print media, and thereafter at least one light color ink to be selectively applied to said portion of said print media while still wet from said application of said at least one dark color ink, and

said object definition print mode is configured to cause said at least one light color ink to be selectively applied to said dry portion of said print media, and thereafter said at least one dark color ink to be selectively applied to said portion of said print media while still wet from said application of said at least one light color ink.

8. (Currently Amended) The adaptable print mode method as recited in Claim 7, wherein selecting between said at least two print modes is includes selecting one of said at least two print modes based on content to be printed on said print media.

Response to Office Action Dated 06 July 2006

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24 25 9. (Currently Amended) The adaptable print mode method as recited in Claim 7, wherein selecting between said at least two print modes is includes selecting one of said at least two print modes based on at least one parameter associated with said inks.

- 10. (Currently Amended) The adaptable print mode method as recited in Claim 7, wherein selecting between said at least two print modes is includes selecting one of said at least two print modes based on at least one parameter associated with said print media.
- 11. (Original) The adaptable print mode method as recited in Claim 7, wherein said at least one dark color ink has more colorant than said at least one light color ink.
- 12. (Original) The adaptable print mode method as recited in Claim 7, wherein:

said at least one dark color ink is selected from a group of color inks comprising Black (K) ink, dark Magenta (M) ink, and dark Cyan (C) ink; and

said at least one light color ink is selected from a group of color inks comprising Yellow (Y) ink, light magenta (m) ink, and light cyan (c) ink.

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least two marking materials further includes:

S/N 10/042,823

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Response to Office Action Dated 06 July 2006

(Currently Amended) The method as recited in Claim 7[[13]], 15. wherein selectively ordering said sequential application of said at least two marking materials based on said amount of colorant associated with each of said at

selectively ordering that a first one of said at least two marking materials having a first amount of colorant is applied to said print media prior to a second one of said at least two marking materials having a second amount of colorant, wherein-said first-amount of colorant is greater than said second amount of colorant.

an amount of dark color ink is greater than an amount of light color ink.

16. (Currently Amended) The method as recited in Claim 7[[13]], wherein selectively ordering said sequential application of said at least two marking materials based on said amount of colorantassociated with each of said at least two marking materials further includes:

selectively ordering that a first one of said at least two marking materials having a first amount of colorantis-applied to said print media prior to a second one of said at least two marking materials having a second amount of colorantwherein said second amount of colorantis greater than said first amount of eolorant.

an amount of light color ink is greater than an amount of dark color ink.

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Response to Office Action Dated 06 July 2006

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(Currently Amended) The method as recited in Claim 7[[13]], wherein selectively ordering said sequential application of said at least two marking materials-based on said-amount of colorantassociated with each of said at least two marking materials further includes: associating said sequential application of said at least two marking

materials with at least two different printing passes to be conducted over an applicable portion of said print media.

selecting between the print modes comprises distinguishing photos and graphics.

- (Currently Amended) The method as recited in Claim [[17]]7, 18. wherein said applicable portion is associated with a single pixel. selecting between print modes is based in part on identifying a type of an area to be printed.
- (Currently Amended) The method as recited in Claim [[13]]7, 19. further comprising:

providing at least one identifying parameter associated with at least one of said two marking materials; and

wherein selectively ordering said sequential application of said at least two marking-materials based on said amount of colorant associated with each of said at least two marking materials further includes selectively ordering said sequential application of said at least two marking materials based on said at least one identifying parameter.

building a print map based on a selected print mode.

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20. (Currently Amended) The method as recited in Claim [[13]]19, further comprising:

providing at least one identifying parameter associated with said print media; and

wherein selectively ordering said sequential application of said at least two marking materials based on said amount of colorant associated with each of said at least two marking materials further includes selectively ordering said sequential application of said at least two marking materials based on said at least one identifying parameter.

applying ink according to the print map.

21. (Currently Amended) The method as recited in Claim [[13]]7, further comprising:

providing a print map that indicates said selected ordering of said sequential application of said at least two marking materials.

building a print map based on the selecting between the dark dot gain mode and the object definition mode.

22. (Currently Amended) The method as recited in Claim 21, further comprising:

sequentially applying said-at least-two marking materials to said-print media based on said print-map. ink based on the print map.

Response to Office Action Dated 06 July 2006

 23. (Currently Amended) The method as recited in Claim [[22]]7, wherein sequentially applying said at least two marking materials to said print media based on said print map includes:

said print media based on said print map during a multi-pass printing process is used.

24. (Currently Amended) A printing device comprising:

an ink-jet printing mechanism configurable to selectively apply at least two different color inks to a print media; and

logic operatively coupled to said ink-jet printing mechanism and configured to select between at least two print modes comprising a dark dot gain print mode and an object definition print mode, wherein the print modes produce different output, such that the dark dot gain print mode enhances photographic image quality and the object definition print mode enhances object edge definition, and wherein:

in said dark dot gain print mode, said logic causes said ink-jet printing mechanism to selectively apply at least one dark color ink to a dry portion of said print media, and only thereafter apply at least one light color ink to said portion of said print media while still wet with said at least one dark color ink, and

in said object definition print mode, said logic causes said ink-jet printing mechanism to selectively apply at least one light color ink to said dry portion of said print media, and only thereafter apply at least one dark color ink to said portion of said print media while still wet with said at least one light color ink.

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- 25. (Original) The printing device as recited in Claim 24, wherein said logic selects between said at least two print modes based on content to be printed on said print media.
- 26. (Original) The printing device as recited in Claim 24, wherein said logic selects between said at least two print modes based on at least one parameter associated with said inks.
- 27. (Original) The printing device as recited in Claim 24, wherein said logic selects between said at least two print modes based on at least one parameter associated with said print media.
- 28. (Original) The printing device as recited in Claim 24, wherein said at least one dark color ink has a greater amount of colorant than said at least one light color ink.
- 29. (Original) The printing device as recited in Claim 24, wherein:
 said at least one dark color ink is selected from a group of color inks
 comprising Black (K) ink, dark Magenta (M) ink, and dark Cyan (C) ink; and
 said at least one light color ink is selected from a group of color inks
 comprising Yellow (Y) ink, light magenta (m) ink, and light cyan (c) ink.
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Response to Office Action Dated 06 July 2006

31. (Currently Amended) The apparatus as recited in Claim [[30]]24, wherein said logic is further operatively configurable to access source file data defining at least one object to be printed on said print media using said at least two different liquid inks.

- 32. (Currently Amended) The apparatus as recited in Claim [[30]]24, wherein said-printing sequence establishes that a first-one of said at least two different liquid inks having a first amount of colorant is to be applied to said print media prior to applying a second one of said at least two different liquid inks having a second amount of colorant that is lower than said first amount of colorant that is lower than said first amount of colorant that the light color ink.
- 33. (Currently Amended) The apparatus as recited in Claim [[30]]24, wherein said-printing sequence establishes that a first one of said at least-two different liquid inks having a first amount of colorant is to be applied to said print media after applying a second one of said at least two different liquid inks having a second amount of colorant that is higher than said first amount of colorant, the dark color ink has more colorant than the light color ink.

 34. (Currently Amended) The apparatus as recited in Claim [[30]]24, wherein said printing sequence print mode defines when, during at least two different printing passes, each of said at least two different liquid inks are ink is to be applied to an applicable portion of said print media.

- 35. (Currently Amended) The apparatus as recited in Claim [[30]]34, wherein said applicable portion is associated with a single pixel provided in source file data defining at least one object to be printed on said print media using said at least two different liquid inks. defined to include a photograph.
- 36. (Currently Amended) The apparatus as recited in Claim [[30]]24, wherein said logic is further configurable to operatively consider at least one identifying parameter associated with at least one of said two different liquid inks when determining said printing sequence. identify a type of area to be printed.
- 37. (Currently Amended) The apparatus as recited in Claim [[30]]24, wherein said logic is further configurable to operatively consider at least-one identifying parameter associated with said print media when determining said printing sequence, identify types of inks and media.
- 38. (Currently Amended) The apparatus as recited in Claim [[30]]24, wherein said logic is further configurable to establish print map data defining said printing sequence.

Response to Office Action Dated 06 July 2006

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39. (Currently Amended) The apparatus as recited in Claim 38, further comprising:

a printing mechanism operatively coupled to said logic and configurable to receive said print map data and in response sequentially apply said at least two different liquid inks deliver ink to said print media according to said printing sequence print map data.

- 40. (Currently Amended) The apparatus as recited in Claim 39, wherein said printing mechanism in response to said print map individually-applies each of said-at-least two different liquid-inks-to-said print media during different printing passes. applies ink based on said print map data.
- 41. (Currently Amended) The apparatus as recited in Claim [[30]]24, wherein said logic is operatively configurable within a printing device.
- 42. (Currently Amended) The apparatus as recited in Claim [[30]]24, wherein said logic is operatively configurable within a computer device.
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Response to Office Action Dated 06 July 2006

44. (Original) A method for use in a printing device, the method comprising:

determining dot gain requirements; and

selectively altering an ink application order based on said determined dot gain requirements.